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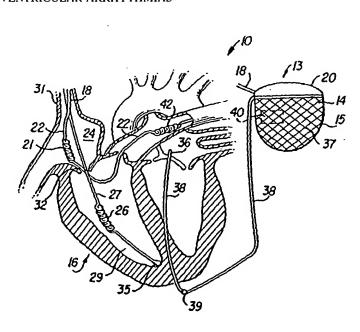
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(54) Title: A DEVICE AND METHOD TO DISCRIMINATE BETWEEN SUPRA VENTRICULAR TACHYCARDIAS AND VENTRICULAR ARRHYTHMIAS



(57) Abstract: This invention provides a method to discriminate between ventricular arrhythmia and supraventricular tachycardia by detecting an earliest arriving electrical signal following antitachycardia pacing. Also disclosed is an implantable cardiac defibrillator(13) that is capable of simultaneous atrioventricular anti-tachycardia pacing bursts produced from a signal generator (14) and detecting an earliest arriving electrical signal. This discrimination capability reduces the incidence of inappropriate shocks from dual-chamber implantable cardiac defibrillators to near zero and provides a method to differentially diagnose supraventricular tachycardia from ventricular tachycardia.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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International application No.

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A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61N 1/368 US CL : 607/004 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S.: 607/004, 005, 009, 014, 015; 600/515, 518 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)						
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	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where ap			Relevant to claim No.		
X	US 5,562,708 A (COMBS et al.) 08 October 1996 (0	08.10.1996), see entire document.	1-5		
X	US 5,383,910 A (den DULK) 24 January 1995 (24.01.1995), see entire document.			6-10 and 19-26		
x	US 5,476,482 A (LU) 19 December 1995 (19.12.1995), see entire document.			11-18		
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Further	documents are listed in the continuation of Box C.	Ш	See patent family annex.			
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